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## SAFETY DATA SHEET

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

- Product Name: Reversible temperature indicating labels liquid crystal -30 to 90 C

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

- Use of the substance/mixture: Temperature indicating label.

#### 1.3 Details of the supplier of the safety data sheet

- Name of Supplier: LCR Hallcrest
- Address of Manufacturer: Riverside Buildings,  
Dock Road,  
Connah's Quay,  
Deeside,  
Flintshire, CH5 4DS,  
Wales. U.K.
- Telephone: +44 (0) 1244 817107
- Email: Sales@lcrhallcrest.com

#### 1.4 Emergency telephone number

- Emergency Telephone: +44 (0) 1244 818348
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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

- CLP: Not Classified

#### 2.2 Label elements

- Signal Word: Not Classified
- Hazard statements  
No known significant effects or critical hazards
- Precautionary statements  
No special precautions are required for this product

#### 2.3 Other hazards

- No hazard expected under normal conditions of use
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### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

- There are no hazardous components present.
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### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

## SECTION 4: First aid measures (....)

- Contact with eyes  
Not applicable
- Contact with skin  
Not applicable
- Ingestion  
If you feel unwell, seek medical advice (show the label where possible)
- Inhalation  
Not applicable

### 4.2 Most important symptoms and effects, both acute and delayed

- Not hazardous

### 4.3 Indication of any immediate medical attention and special treatment needed

- Not applicable
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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- Use as appropriate: Carbon dioxide (CO<sub>2</sub>), Dry chemical, Foam.

### 5.2 Special hazards arising from the substance or mixture

- Smoke from fires is irritating. Take precautions to protect personnel from exposure
- Carbon oxides may be formed

### 5.3 Advice for firefighters

- Wear suitable respiratory protection
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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

- No special precautions are required for this product

### 6.2 Environmental precautions

- No special precautions are required for this product

### 6.3 Methods and material for containment and cleaning up

- No special precautions are required for this product
- Recover the product where possible

### 6.4 Reference to other sections

- For disposal refer to section 13.
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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- No special precautions are required for this product

### 7.2 Conditions for safe storage, including any incompatibilities

- Store at ambient temperature

### 7.3 Specific end use(s)

## SECTION 7: Handling and storage (....)

- No information available
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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

- Not applicable

### 8.2 Exposure controls

- No special requirements
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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Appearance: Plastic label
- colour various
- Odour: Slight
- pH - not known
- Melting point/Range: Not applicable
- Boiling point - not applicable
- Flammability: Not flammable but will support combustion
- Flash point - not applicable
- Vapour pressure - not applicable
- Vapour density - not applicable
- Specific gravity - not applicable
- Solubility in water: Insoluble in water
- Fat solubility - not applicable
- Auto-ignition point - not known
- Partition coefficient : n-Octanol/water - not applicable
- Melting point - not applicable
- Evaporation rate - not applicable

### 9.2 Other information

- No information available
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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

- No hazardous reactions known if used for its intended purpose

### 10.2 Chemical stability

- Stable

### 10.3 Possibility of hazardous reactions

- This article is considered stable under normal conditions

### 10.4 Conditions to avoid

- No special requirements

### 10.5 Incompatible materials

- No special requirements

### 10.6 Hazardous decomposition products

## SECTION 10: Stability and reactivity (....)

- Burning produces obnoxious and irritating fumes.
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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

- Acute toxicity: No data is available on this product.
  - Skin corrosion / irritation : No data available
  - Respiratory or skin sensitisation: No data available.
  - Germ cell mutagenicity - No data is available on this product
  - IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
  - Reproductive Effects: No information available
  - STOT-single exposure: No data is available on this product.
  - STOT-repeated exposure: No data is available on this product.
  - Repeated or prolonged exposure :No data is available on this product.
  - Aspiration hazard: No data is available on this product.
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## SECTION 12: Ecological information

### 12.1 Toxicity

- No information available

### 12.2 Persistence and degradability

- No information available

### 12.3 Bioaccumulative potential

- No information available

### 12.4 Mobility in soil

- No information available

### 12.5 Results of PBT and vPvB assessment

- No information available

### 12.6 Other adverse effects

- No information available
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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

- Not hazardous
  - Observe all federal, state and local regulations when disposing of the substance.
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## SECTION 14: Transport information

Not classified as hazardous for transport

### 14.1 UN number

- UN No.: Not applicable

### 14.2 Proper Shipping Name

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## SECTION 14: Transport information (....)

- Proper Shipping Name: Not applicable

### 14.3 Transport hazard class(es)

- Hazard Class: Not applicable

### 14.4 Packing group

- Packing Group: Not applicable

### 14.5 Environmental hazards

- Not Classified

### 14.6 Special precautions for user

- Not Classified

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

- Not Classified
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## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

### 15.2 Chemical safety assessment

- A chemical safety assessment (CSA) for this product has not yet been completed
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## SECTION 16: Other information

This information supplied in this Safety Data Sheet is designed only as guidance for the safe use and storage of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information only relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

--- end of safety datasheet ---

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